

Mourad Roudjane

List of Publications by Year in descending order

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papers

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docs citations

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times ranked

447
citing authors

#	ARTICLE	IF	CITATIONS
1	High-resolution broad-bandwidth Fourier-transform absorption spectroscopy in the VUV range down to 40Ånm. <i>Nature Photonics</i> , 2011, 5, 149-153.	31.4	108
2	The high-resolution absorption spectroscopy branch on the VUV beamline DESIRS at SOLEIL. <i>Journal of Synchrotron Radiation</i> , 2016, 23, 887-900.	2.4	36
3	Jet cooled cavity ringdown spectroscopy of the $\tilde{A}^2E_u \leftarrow \tilde{X}^2A_2$ transition of the NO ₃ radical. <i>Journal of Chemical Physics</i> , 2015, 142, 184305.	3.0	29
4	High resolution vacuum ultraviolet emission spectrum of D ₂ from 78to103nm: The $\tilde{D}^1u \leftarrow \tilde{X}^1g+1$ and $\tilde{D}^2u \leftarrow \tilde{X}^1g+1$ band systems. <i>Journal of Chemical Physics</i> , 2006, 125, 214305.	3.0	28
5	Smart T-Shirt Based on Wireless Communication Spiral Fiber Sensor Array for Real-Time Breath Monitoring: Validation of the Technology. <i>IEEE Sensors Journal</i> , 2020, 20, 10841-10850.	4.7	28
6	New Generation Wearable Antenna Based on Multimaterial Fiber for Wireless Communication and Real-Time Breath Detection. <i>Photonics</i> , 2018, 5, 33.	2.0	26
7	A Portable Wireless Communication Platform Based on a Multi-Material Fiber Sensor for Real-Time Breath Detection. <i>Sensors</i> , 2018, 18, 973.	3.8	25
8	Spectroscopic Characterization of Lanthanum-Mediated Dehydrogenation and C=C Bond Coupling of Ethylene. <i>Journal of Physical Chemistry A</i> , 2016, 120, 4482-4489.	2.5	22
9	Pseudo-Continuous Flow FTIR System for Glucose, Fructose and Sucrose Identification in Mid-IR Range. <i>Micromachines</i> , 2018, 9, 517.	2.9	21
10	Electronic states and pseudo Jahn-Teller distortion of heavy metal-monobenzene complexes: M(C ₆ H ₆) (M = Y, La, and Lu). <i>Journal of Chemical Physics</i> , 2012, 136, 134310.	3.0	19
11	High resolution vacuum ultraviolet emission spectrum of D ₂ : The $\tilde{B}^2u+1 \leftarrow \tilde{X}^1g+1$ band system. <i>Journal of Chemical Physics</i> , 2007, 127, 054307.	3.0	17
12	Lanthanum-Mediated C-H Bond Activation of Propyne and Identification of La(C ₃ H ₂) Isomers. <i>Journal of Physical Chemistry A</i> , 2015, 119, 2857-2862.	2.5	17
13	Jet-Cooled Laser-Induced Fluorescence Spectroscopy of Isopropoxy Radical: Vibronic Analysis of $\tilde{B}^1f \leftarrow \tilde{X}^1f$ and $\tilde{B}^1f \leftarrow \tilde{A}^1f$ Band Systems. <i>Journal of Physical Chemistry A</i> , 2014, 118, 11852-11870.	2.5	15
14	Electronic States and Metal-Ligand Bonding of Gadolinium Complexes of Benzene and Cyclooctatetraene. <i>Journal of Physical Chemistry A</i> , 2012, 116, 839-845.	2.5	13
15	High-resolution electron spectroscopy of lanthanide (Ce, Pr, and Nd) complexes of cyclooctatetraene: The role of 4f electrons. <i>Journal of Chemical Physics</i> , 2013, 138, 164307.	3.0	12
16	Detection of Neuromuscular Activity Using New Non-Invasive and Flexible Multimaterial Fiber Dry-Electrodes. <i>IEEE Sensors Journal</i> , 2019, 19, 11624-11633.	4.7	9
17	Wearable Sensor Based on Flexible Sinusoidal Antenna for Strain Sensing Applications. <i>Sensors</i> , 2022, 22, 4069.	3.8	8
18	Multimodal Electrophysiological Signal Measurement using a New Flexible and Conductive Polymer Fiber-electrode. , 2020, 2020, 4373-4376.		7

#	ARTICLE	IF	CITATIONS
19	Detecting Respiratory Rate Using Flexible Multimaterial Fiber Electrodes Designed for a Wearable Garment. IEEE Sensors Journal, 2022, 22, 13552-13561.	4.7	5
20	A Wire-Free and Fiber-Based Smart T-Shirt for Real-Time Breathing Rate Monitoring. IEEE Sensors Journal, 2022, 22, 4463-4471.	4.7	4
21	Pseudo-Continuous Flow System for Dopamine and Ascorbic Acid Detection Based on FTIR-Spectrometry. , 2019, , .		3
22	Binding sites and electronic states of group 3 metal-aniline complexes probed by high-resolution electron spectroscopy. Journal of Chemical Physics, 2013, 138, 224304.	3.0	2
23	Innovative Wearable Sensors Based on Hybrid Materials for Real-Time Breath Monitoring. , 0, , .		2
24	Excited states of lutetium oxide and its singly charged cation. Journal of Chemical Physics, 2022, 156, 084303.	3.0	2
25	Wearable Scanner Platform Based on Fiber Sensor Array for Real Time Breath Detection. , 2020, , .		1
26	Development of electro-conductive silver phosphate-based glass optrodes for in vivo optogenetics. , 2018, , .		0
27	Microspectrometry-FTIR based glucose and fructose biosensor with pseudo-continuous flow. , 2020, , .		0